

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q86337

Tetsuo KIJIMA, et al.

Appln. No.: Based on PCT/JP2002/008384

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: February 17, 2005

Examiner: Unknown

For: PROTECTIVE AGENT FOR PRINT WITH WATER-BASED INK

**PRELIMINARY AMENDMENT**

**MAIL STOP AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Prior to examination, please amend the above-identified application as follows on the accompanying pages.

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AMENDMENTS TO THE CLAIMS

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (original): A protective agent for printed matters printed with water-based ink comprising: at least 50% low-boiling hydrocarbon solvent based on all solvents and an oleophilic resin soluble therein.
2. (original): The protective agent for printed matters printed with water-based ink according to claim 1, wherein the proportion of the low-boiling hydrocarbon solvent to the oleophilic resin is from 97/3 to 40/60 by weight.
3. (currently amended): The protective agent for printed matters printed with water-based ink according to claim 1 ~~or 2~~, wherein the low-boiling hydrocarbon solvent has a boiling point of 50 to 110°C.
4. (currently amended): The protective agent for printed matters printed with water-based ink according to ~~any one of claims 1 to 3~~claim 1, wherein the low-boiling hydrocarbon solvent is at least one kind of solvent selected from the group consisting of n-pentane, i-pentane, cyclopentane, n-hexane, i-hexane, cyclohexane, methylcyclohexane, n-heptane, i-heptane, n-octane, i-octane and hexamethylsiloxane.
5. (currently amended): The protective agent for printed matters printed with water-based ink according to ~~any one of claims 1 to 4~~claim 1, wherein the oleophilic resin is at least one kind of resin selected from the group consisting of acrylic ester copolymer resins, silicone-acrylic resins, methyl phenyl silicone resins, 1,2-polybutadiene elastomers, polyisobutylene rubbers, aromatic petroleum resins, alicyclic petroleum resins and polystyrene resins.

6. (currently amended): A protective aerosol agent for printed matters printed with water-based ink comprising: 20 to 80 parts by weight of the protective agent for printed matters printed with water-based ink as set forth in ~~any one of claims 1 to 5~~claim 1 and 80 to 20 parts by weight of a propellant.
7. (new): The protective agent for printed matters printed with water-based ink according to claim 2, wherein the low-boiling hydrocarbon solvent has a boiling point of 50 to 110°C.
8. (new): The protective agent for printed matters printed with water-based ink according to claim 2, wherein the low-boiling hydrocarbon solvent is at least one kind of solvent selected from the group consisting of n-pentane, i-pentane, cyclopentane, n-hexane, i-hexane, cyclohexane, methylcyclohexane, n-heptane, i-heptane, n-octane, i-octane and hexamethylsiloxane.
9. (new): The protective agent for printed matters printed with water-based ink according to claim 3, wherein the low-boiling hydrocarbon solvent is at least one kind of solvent selected from the group consisting of n-pentane, i-pentane, cyclopentane, n-hexane, i-hexane, cyclohexane, methylcyclohexane, n-heptane, i-heptane, n-octane, i-octane and hexamethylsiloxane.
10. (new): The protective agent for printed matters printed with water-based ink according to claim 2, wherein the oleophilic resin is at least one kind of resin selected from the group consisting of acrylic ester copolymer resins, silicone-acrylic resins, methyl phenyl silicone resins, 1,2-polybutadiene elastomers, polyisobutylene rubbers, aromatic petroleum resins, alicyclic petroleum resins and polystyrene resins.
11. (new): The protective agent for printed matters printed with water-based ink according to claim 3, wherein the oleophilic resin is at least one kind of resin selected from the group consisting of acrylic ester copolymer resins, silicone-acrylic resins, methyl phenyl silicone

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resins, 1,2-polybutadiene elastomers, polyisobutylene rubbers, aromatic petroleum resins, alicyclic petroleum resins and polystyrene resins.

12. (new): The protective agent for printed matters printed with water-based ink according to claim 4, wherein the oleophilic resin is at least one kind of resin selected from the group consisting of acrylic ester copolymer resins, silicone-acrylic resins, methyl phenyl silicone resins, 1,2-polybutadiene elastomers, polyisobutylene rubbers, aromatic petroleum resins, alicyclic petroleum resins and polystyrene resins.

13. (new): A protective aerosol agent for printed matters printed with water-based ink comprising: 20 to 80 parts by weight of the protective agent for printed matters printed with water-based ink as set forth in claim 2 and 80 to 20 parts by weight of a propellant.

14. (new): A protective aerosol agent for printed matters printed with water-based ink comprising: 20 to 80 parts by weight of the protective agent for printed matters printed with water-based ink as set forth in claim 3 and 80 to 20 parts by weight of a propellant.

15. (new): A protective aerosol agent for printed matters printed with water-based ink comprising: 20 to 80 parts by weight of the protective agent for printed matters printed with water-based ink as set forth in claim 4 and 80 to 20 parts by weight of a propellant.

16. (new): A protective aerosol agent for printed matters printed with water-based ink comprising: 20 to 80 parts by weight of the protective agent for printed matters printed with water-based ink as set forth in claim 5 and 80 to 20 parts by weight of a propellant.